

AMENDMENTS TO THE CLAIMS

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (currently amended): An arc welding apparatus comprising:  
a welding torch,  
a wire feeding device operable to feed ~~for feeding~~ a wire in contact with an internal surface of a chip of the welding torch, ~~and~~  
a welding source operable to supply ~~for supplying~~ a power to the chip and a base metal, ~~wherein there are provided~~ a welding current detector operable to detect ~~for detecting~~ a welding current value and  
a welding voltage detector ~~for~~ operable to detect ~~detecting~~ a welding voltage value, wherein the apparatus is operable to display ~~and~~ a wire feeding speed command value, the welding current value and the welding voltage value ~~are displayed~~ independently and simultaneously.

2. (currently amended): An arc welding apparatus comprising:  
a welding torch,  
a wire feeding device ~~for feeding~~ operable to feed a wire in contact with an internal surface of a chip of the welding torch, ~~and~~  
a welding source ~~for~~ operable to supply ~~supplying~~ a power to the chip and a base metal, ~~wherein there are provided~~

a welding current detector ~~for~~ operable to detect ~~detecting~~ a welding current value,  
a welding voltage detector ~~for~~ operable to detect ~~detecting~~ a welding voltage value,  
a wire feeding speed detector ~~for~~ operable to detect ~~detecting~~ a wire feeding speed,  
current display selecting means for carrying out a selection to display one of the welding  
current value detected by the welding current detector and a welding current command value,  
current display means for displaying data selected by the current display selecting means,  
voltage display selecting means for carrying out a selection to display one of the welding  
voltage value detected by the welding voltage detector and a welding voltage command value,  
voltage display means for displaying data selected by the voltage display selecting  
means,

feeding speed display selecting means for carrying out a selection to display one of the  
wire feeding speed detected by the wire feeding speed detector, a wire feeding speed command  
value and a wire feeding torque, and

feeding speed display means for displaying data selected by the feeding speed display  
selecting means, ~~further~~

wherein all of the current display means, the voltage display means and the feeding speed  
display means are independently disposed in the welding source.

3. (currently amended): An arc welding apparatus comprising a robot having a  
welding torch provided on a tip of a manipulator and serving to weld a weld line which is taught,  
a robot control device for controlling the robot, a robot teaching device connected to the robot  
control device, a wire feeding device to be driven by means of a motor, and a welding source for  
supplying a power to a chip and a base metal,

wherein the apparatus is operable to select one of a welding current command value and an actual welding current value ~~is selected~~ as welding current value data, and

the apparatus is operable to select one of a welding voltage command value and an actual welding voltage value ~~is selected~~ as welding voltage value data, and

the apparatus is operable to select one of a wire feeding speed command value, an actual wire feeding speed and a torque value of the motor ~~is selected~~ as wire feeding speed data, and the apparatus is operable to display the welding current value data, the welding voltage value data and the wire feeding speed data are simultaneously ~~displayed~~ on the robot teaching device.

4. (new): The apparatus of claim 1 wherein the welding current detector, the welding voltage detector and a display means that is operable to display the welding current value, the welding voltage value and the wire feeding speed command value are disposed in the welding source.